## 11 Logic Gates Test

## **Your Name:**

AND	NAND	OR	NOR	xor	NOT
A− B− −Q	A- BQ	A- B- —Q	A Q	A- B- −Q	AQ
Q = A  B	Q = A  B	Q = A  B	Q = A  B	Q = A $B$	Q=
Two ones give a Anything else gives	Two ones give a Anything else gives	Two zeros give a Anything else gives	Two zeros give a Anything else gives	Equal inputs give a	Input is
ABQ 000 01 10	ABQ 000 01 10	ABQ 00 01 10 11	ABQ 00 01 10 11	ABQ 00 01 10 11	<b>A Q</b> 0 1
B\A 0 1 0 1 1	B\A 0 1 0 1	B\A 0 1 0 1	B\A 0 1 0 1	B\A 0 1 0 1 1 1	A 0 1 Q

- 1. In the diagram above, fill in all the missing bits ...
- Six logic gate symbols.
- Six Boolean expressions with missing operators.
- Six one-sentence rules.
- Six conventional truth tables.
- Six alternative truth tables.